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Notice of Allowability	Application No.	Applicant(s)	
	10/671,386	LAI ET AL.	
	Examiner	Art Unit	
	Thoi V. Duong	2871	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed September 16, 2005.
2. ☒ The allowed claim(s) is/are 1-3,8-10,26 and 27.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

1. This office action is in response to the Amendment filed September 16, 2005.

Accordingly, claims 1-3 and 8-10 were amended, claims 4-7 and 11-25 were cancelled, and new claims 26 and 27 were added. Currently, claims 1-3, 8-10, 26 and 27 are pending in this application.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

In the title: change the title to "Liquid crystal module comprising fasteners for flexible circuit board".

Allowable Subject Matter

3. Claims 1-3, 8-10, 26 and 27 are allowed.

The following is an examiner's statement of reasons for allowance: none of the prior art of record fairly suggests or shows all of the limitations as claimed. Specifically,

Re claims 1 and 8, none of the prior art of record discloses, in combination with other limitations as claimed, a frame structure of a liquid crystal module comprising a plurality of fasteners, each fastener including:

a first clip piece with a hole; and

a second clip piece connected to said first clip and substantially located within said hole, wherein a gap is formed between said first clip piece and said second clip

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piece, and an edge of said flexible printed circuit board is secured by being disposed into said gap.

The most relevant references, USPN 6,686,979 B2 to Yoshino and USPN 5,537,177 to Terunuma, fail to disclose or suggest the claimed invention.

As shown in Figs. 3, 6 and 7, Yoshino discloses a frame structure of a liquid crystal module comprising a plurality of fasteners, each fastener including:

- a first clip piece 11a with a hole; and

- a second clip piece 19, 21 connected to said first clip and substantially located within said hole, wherein a gap is formed between said first clip piece and said second clip piece.

However, as shown in Fig. 9, the edges of a tablet sensor board 25 is secured by being disposed into said gap and a circuit board 26 is secured on a circuit attachment plate 14 by screws 27.

Meanwhile, as shown in Fig. 1, Terunuma discloses a frame structure of a liquid crystal module comprising a plurality of fasteners 42, each fastener including:

- a first clip piece (lower portion); and

- a second clip piece (upper portion) connected to said first clip, wherein a gap is formed between said first clip piece and said second clip piece, and an edge of a flexible printed circuit board 41 is secured by being disposed into said gap.

However, the first clip piece does not have a hole for locating the second clip piece.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thoi V. Duong whose telephone number is (571) 272-2292. The examiner can normally be reached on Monday-Friday from 8:30 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Kim, can be reached at (571) 272-2293.

Thoi Duong



11/26/2005


ANDREW SCHECHTER
PRIMARY EXAMINER